

## Patent Abstracts of Japan

PUBLICATION NUMBER : 11308895  
PUBLICATION DATE : 05-11-99

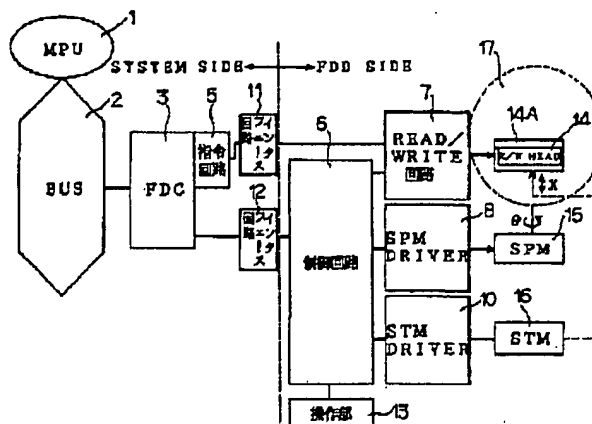
APPLICATION DATE : 23-04-98  
APPLICATION NUMBER : 10113313

APPLICANT : SONY CORP;

INVENTOR : SAKAMA MITSUNORI;

INT.CL. : H02P 8/14 G11B 21/02 G11B 21/08

TITLE : DRIVE CONTROLLER FOR STEPPING MOTOR



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a drive controller for stepping motor which can transfer at a high speed a body to be driven to a target position on a body to which the body is to be transferred, even when the self-starting frequency of the body to be driven is low at the starting time.

**SOLUTION:** A stepping motor 16 which transfers a carriage 14A mounted with a magnetic head 14 transfers the magnetic head 14 to a target position on a floppy disk 17, when a drive pulse having a prescribed duty ratio is supplied to the motor 16. When the magnetic head 14 is accelerated, a drive circuit 6 shortens the supplying period of the drive pulse having the prescribed duty ratio, and when the head 14 is decelerated, the circuit 6 prolongs the supplying period of the drive pulse. Therefore, the magnetic head 14 can be positioned to the target position on the floppy disk 17 with good accuracy in a short time, because the head 14 is accelerated when the drive pulse is impressed upon the head 14 in the short period after the head 14 has started to run and decelerated, when the drive pulse is impressed with a long period, while the head 14 is run at a high speed.

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